L Number	Hits		DB	Time stamp ,
393	328	347/94.ccls.	USPAT;	2002/09/05 06:52
			US-PGPUB;	
		·	EPO; JPO; DERWENT	
396	258316		USPAT;	2002/09/05 06:55
		heating or electrothermal) same (refills3	US-PGPUB;	2002/09/05 06:55
		or flow)	EPO; JPO;	
397	56	347/94 gglg and ///	DERWENT	
		347/94.ccls. and ((resistor or resisitve or heater or heating or electrothermal)	USPAT;	2002/09/05 06:54
		same (refill\$3 or flow))	US-PGPUB;	
			EPO; JPO; DERWENT	
398	2368		USPAT;	2002/09/05 06:59
		heating or electrothermal) same (refill\$3)	US-PGPUB;	1 2002, 03, 03 00:39
		·	EPO; JPO;	•
399	24	((resistor or resisitve or heater or	DERWENT	
		heating or electrothermal) same	USPAT;	2002/09/05 06:58
		(refill\$3)) and 347/94.ccls.	US-PGPUB; EPO; JPO;	
			DERWENT	
400	4.7961	347/\$.ccls.	USPAT;	2002/09/05 06:58
	1 .	· ·	US-PGPUB;	
			EPO; JPO;	
401	680	347/\$.ccls. and ((resistor or resisitve or	DERWENT	
		heater or heating or electrothermal) same	USPAT; US-PGPUB;	2002/09/05 06:58
		(refill\$3))	EPO; JPO;	
402	700		DERWENT	
402	. 728	1 (= or represent of Health Ot	USPAT;	2002/09/05 07:16
	,	heating or electrothermal) with (refill\$3)	US-PGPUB;	
			EPO; JPO;	
403	167	((resistor or resisitve or heater or	DERWENT USPAT;	2002/00/05 05 50
]	heating or electrothermal) with	US-PGPUB;	2002/09/05 06:59
		(refill\$3)) and 347/\$.ccls.	EPO; JPO;	
404	155		DERWENT	
104	155	(((resistor or resisitve or heater or heating or electrothermal) with	USPAT;	2002/09/05 07:03
		(refill\$3)) and 347/\$.ccls.) not	US-PGPUB;	
		(((resistor or resisitve or heater or	EPO; JPO; DERWENT	
	·	heating or electrothermal) same	DERWENT	
405	504	(refill\$3)) and 347/94.ccls.)		
405	624	347/65.ccls.	USPAT;	2002/09/05 07:04
			US-PGPUB;	
			EPO; JPO;	
406	130	347/65.ccls. and ((resistor or resisitve	DERWENT USPAT;	2002/09/05 07:08
		or heater or heating or electrothermal)	US-PGPUB;	2002/09/03 07:08
	ĺ	same (refill\$3))	EPO; JPO;	
407	442	(347/6 0010 001/4/2011	DERWENT	
10,	442	(347/\$.ccls. and ((resistor or resisitve or heater or heating or electrothermal)	USPAT;	2002/09/05 07:09
į		same (refill\$3))) not ((347/65.ccls. and	US-PGPUB; EPO; JPO;	
	,	((resistor or resisitve or heater or	DERWENT	
	<i>'</i>	heating or electrothermal) same	BERWEIT	
1		(refill\$3))) or (((resistor or resisitve		
		or heater or heating or electrothermal)		
	ŀ	same (refill\$3)) and 347/94.ccls.) or (((resistor or resisitve or heater or		
		heating or electrothermal) with		
		(refill\$3)) and 347/\$.ccls.) or		
		((((resistor or resisitve or heater or		
		heating or electrothermal) with		
1		(refill\$3)) and 347/\$.ccls.) not		
1		(((resistor or resisitve or heater or		
	1	heating or electrothermal) same (refill\$3)) and 347/94.ccls.)))		
		1		

12502 seed\$3 with layer		· · · · · · · · · · · · · · · · · · ·			
US-PGPUB; EPO; JPO; DERWENT US-PGPUB; US-PGPUB	408	1250	2 seed\$3 with layer	USPAT.	2002/00/05 07 10
409 65 (seed\$3 with layer) and 347/\$.ccls. DEMENT USPAT;					2002/09/05 07:10
109 65 (seed\$3 with layer) and 347\\$.ccls. DERWENT USPAT;					
176 (orifice or nozzle) same (seed\$3 with layer) 2002/09/05 07:19 2002/09/05 07:19 2002/09/05 07:19 2002/09/05 07:19 2002/09/05 07:19 2002/09/05 07:19 2002/09/05 07:19 2002/09/05 07:19 2002/09/05 07:19 2002/09/05 07:19 2002/09/05 07:19 2002/09/05 07:19 2002/09/05 07:19 2002/09/05 07:19 2002/09/05 07:19 2002/09/05 07:19 2002/09/05 07:19 2002/09/05 07:2	400				
10	409	6:	(seed\$3 with layer) and 347/\$.ccls.		2002/09/05 07-10
410 176 (orifice or norzle) same (seed\$3 with layer) 196 ((orifice or norzle) same (seed\$3 with layer)) and 347/\$.ccls. 2002/09/05 07:10 2002/09/05 07:10 2002/09/05 07:10 2002/09/05 07:10 2002/09/05 07:10 2002/09/05 07:10 2002/09/05 07:10 2002/09/05 07:10 2002/09/05 07:20 2002/09/05 07:					2002/09/03 07:10
176				EPO: JPO:	·
10	410	17/	- ,		
139 ((orifice or nozzle) same (seed\$3 with layer)) and 347/\$.cels. USPAT;	410	1 1/6	(orifice or nozzle) same (seed\$3 with		2002/09/05 07:10
19 ((orifice or nozzle) same (seed\$3 with layer)) and 347/8.ccls.			layer)		2002/03/03 07:10
19				EPO; JPO;	
19wer and 347/5.ccls 19wer 2002/09/05 07:10 19wer 2002/09/05 07:21 19wer 2002/09/05 07:21 19wer 1	411	10) //owisi		
198	1 ***	13	((Orlfice or nozzle) same (seed\$3 with	USPAT;	2002/09/05 07:10
198			layer)) and 347/\$.ccls.	US-PGPUB;	1002,03,03 07.10
198				EPO; JPO;	
196	418	23199	(rogistary and the		
196		23100		USPAT;	2002/09/05 07:21
196	İ		neating or electrothermal) with (circular	US-PGPUB;	-11-703,03 07.21
196			of annular or doughnut or (dough adj nut))	EPO; JPO;	
1068 1068 347/62.ccls. or 347/56.ccls. or 347/61.ccls. 347/61.ccls. or 347/62.ccls. or	419	106	(Irogiston on markets		1
or annular or doughnut or (dough adj nut) 1068 347/62.ccls. or 347/56.ccls. or 347/61.ccls. 347/61.ccls. 347/62.ccls. or 347/56.ccls. or 347/61.ccls. 347/61.ccls		190	hosting or all the sisting or heater or		2002/09/05 07.19
1068 347/62.ccls. or 347/56.ccls. or 347/61.ccls. 347/61.ccl		ł	or appular or electrothermal) with (circular	US-PGPUB;	,,,,,,,,,
1068 347/62.ccls. or 347/56.ccls. or 347/62.ccls. or 347/66.ccls. or 347/6			nut))) and 347/6	EPO; JPO;	1.
347/61.ccls. 347/56.ccls. or 347/56.ccls. or 347/61.ccls. 34	420	1068	347/62 cala 247/5.	DERWENT	<i>p</i> .
39 (347/62.ccls. or 347/56.ccls. or 347/61.ccls.) and ((resistor or resisitve or heater or heating or electrothermal) with (circular or annular or doughnut or (dough adj nut)))		1000	347/61 calc		2002/09/05 07:23
39 (347/62.ccls. or 347/56.ccls. or 347/61.ccls.) and ((resistor or resisitve or heater or heating or electrothermal) with (circular or annular or doughnut or (dough adj nut)) or ring) 2002/09/05 07:20 422 46590 (resistor or resisitve or heater or heating or electrothermal) with (circular or annular or doughnut or (dough adj nut) or ring) ((resistor or resisitve or heater or heating or electrothermal) with (circular or annular or doughnut or (dough adj nut) or ring) 347/56.ccls. or 347/56.cls. or 347/56.cls. or 347/56.ccls. or 347/56.			347/01.CCIS.		
10 347/56.ccls. or 347/54.ccls. or 347/61.ccls.) and ((resistor or resisitve or heater or heating or electrothermal) with (circular or annular or doughnut or 347/61.ccls. or 347/54.ccls. or 347/54.ccls				EPO; JPO;	
347/61.ccls.) and ((resistor or resisitve or heater or heating or electrothermal) with (circular or annular or doughnut or (dough adj nut)) (resistor or resisitve or heater or heating or electrothermal) with (circular or annular or doughnut or (dough adj nut) or ring) ((resistor or resisitve or heater or heating or electrothermal) with (circular or annular or doughnut or (dough adj nut) or ring) (and (347/62.ccls. or 347/56.ccls. or 347/54.ccls. or 347/54	421	30	(347/62 0010 247/56		
Various Vari			347/61 cols \ and \//s	USPAT;	2002/09/05 07:20
### (circular or annular or doughnut or (dough adj nut)) (resistor or resisitve or heater or heating or electrothermal) with (circular or annular or doughnut or (dough adj nut) or ring) ((resistor or resisitve or heater or heating or electrothermal) with (circular or annular or doughnut or (dough adj nut) or ring) (ad (347/62.ccls. or 347/61.ccls.) 347/62.ccls. or 347/61.ccls. or			or heater or heating and all or resisitve		
46590 (longh and nut)) (resistor or resisitive or heater or heating or electrothermal) with (circular or annular or doughnut or (dough adj nut) (resistor or resisitive or heater or heating or electrothermal) with (circular or annular or doughnut or (dough adj nut) or ring) (resistor or resisitive or heater or heating or electrothermal) with (circular or annular or doughnut or (dough adj nut) or ring) 347/56.ccls. or 347/61.ccls. o			with (circular or appular and de		1
422 46590 (resistor or resisitve or heater or heating or electrothermal) with (circular or annular or doughnut or (dough adj nut) or ring) ((resistor or resisitve or heater or heating or electrothermal) with (circular or annular or doughnut or (dough adj nut) or ring) add (347/62.ccls. or 347/61.ccls. or 347/61.ccls. or 347/62.ccls. or 347/62.ccls. or 347/62.ccls. or 347/62.ccls. or 347/62.ccls. or 347/63.ccls. or 347/64.ccls. or 34	Í		(dough adi nut)))	DERWENT	1
123 127 12 128 139 140 141 142 143 143 143 143 143 143 150 143 143 143 143 150 143 143 143 150 143 143 143 150 143 143 143 150 143 143 143 150 143 144 143 144 143 144 144 143 144 144 143 144	422	46590	(resistor or resisitve or heater		1.
10			heating or electrothermal) with (simul	1	2002/09/05 07:22
423 47 (resistor or resisitve or heater or heating or electrothermal) with (circular or annular or doughnut or (dough adj nut) or ring)) and (347/62.ccls. or 347/56.ccls. USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO			or annular or doughput on (dans)		
423 47 ((resistor or resisitve or heater or heating or electrothermal) with (circular or annular or doughnut or (dough adj nut) or ring)) and (347/62.ccls. or 347/56.ccls. or 347/56.cc		•	or ring)		
Acting or electrothermal) with (circular or annular or doughnut or (dough adj nut) or ring)) and (347/62.ccls. or 347/56.ccls. or 347/56.ccl	423	47	((resistor or resisitive or heater or	I .	
1809 347/56.ccls. or 347/5			heating or electrothermal) with (giroulan	1	2002/09/05 07:23
1809 347/56.ccls. or 347/68.ccls.) and ((resistor or resisitve or heater or heating or electrothermal) with (circular or annular or doughnut or (dough adj nut) or ring)) virtual adj chamber USPAT; US-PGPUB; EPO; JPO; DERWENT U			or annular or doughput or (dough add nut)		
1809 347/56.ccls. or 347/56.ccls. USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US			or ring)) and (347/62 ccls or		
1809 347/62.ccls. or 347/56.ccls. or 347/54.ccls. or 347/62.ccls. or 347/54.ccls. or 347/54.ccls. or 347/54.ccls. or 347/56.ccls. or 347/5			347/56.ccls. or 347/61 ccls)	DERWENT	
347/61.ccls. or 347/54.ccls. or 347/61.ccls. or 347/61.ccls. or 347/61.ccls. or 347/56.ccls. or 347/56.ccls. or 347/56.ccls. or 347/56.ccls. or 347/54.ccls. or 347/61.ccls.) and ((resistor or resisitve or heater or heating or electrothermal) with (circular or annular or doughnut or (dough adj nut) or ring)) virtual adj chamber 426 427 12 (virtual adj chamber) and 347/\$.ccls. 428 195 ink adj (chamber or channel or passage) with (funnel or taper\$3) 431 10 (ink adj (chamber or channel or passage) with (funnel or taper\$3)) and 347/65.ccls. 431 10 (ink adj (chamber or channel or passage) with (funnel or taper\$3)) and 347/65.ccls.	424	1809	347/62.ccls. or 347/56 ccls. or	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
425 62 (347/62.ccls. or 347/56.ccls. or 347/61.ccls. or 347/61.ccls. or 347/54.ccls. or 347/61.ccls. or 347/54.ccls. or 347/64.ccls. Or 6.2 (resistor or resisitve or heater or heating or electrothermal) with (circular or annular or doughnut or (dough adj nut) or ring)) virtual adj chamber 426 25 (virtual adj chamber) and 347/5.ccls. USPAT; USPAT; USPAT; USPAT; USPEPUB; EPO; JPO; DERWENT USPAT; USPAT; USPAT; USPEPUB; EPO; JPO; DERWENT USPAT; USPAT; USPEPUB; EPO; JPO; DERWENT USPAT; USPA			347/61.ccls. or 347/54 ccls or	1	2002/09/05 07:24
425 62 (347/62.ccls. or 347/56.ccls. or 347/56.ccls. or 347/61.ccls. or 347/54.ccls. or 347/65.ccls. or 347/65		, i	347/48.ccls.		
10 10 10 10 10 10 10 10	1]		DEDMENT	
347/61.ccls. or 347/54.ccls. or 347/54.ccls. or 347/48.ccls.) and ((resistor or resisitve or heater or heating or electrothermal) with (circular or annular or doughnut or (dough adj nut) or ring)) virtual adj chamber USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT U	425	62	(347/62.ccls. or 347/56.ccls. or		2002/02/25 == =
347/48.ccls.) and ((resistor or resisitve or heater or heating or electrothermal) with (circular or annular or doughnut or (dough adj nut) or ring)) 426 25 427 12 (virtual adj chamber) and 347/\$.ccls. 12 (virtual adj chamber) and 347/\$.ccls. 428 195 ink adj (chamber or channel or passage) with (funnel or taper\$3) 431 10 (ink adj (chamber or channel or passage) with (funnel or taper\$3)) and 347/65.ccls. 428 431 10 (ink adj (chamber or channel or passage) with (funnel or taper\$3)) and 347/65.ccls. 431 431 431 436 EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT	1		34//61.ccls. or 347/54.ccls or		2002/09/05 07:31
definition of the string of electrothermal) with (circular or annular or doughnut or (dough adj nut) or ring)) virtual adj chamber 12 (virtual adj chamber) and 347/\$.ccls. 13 (virtual adj chamber) and 347/\$.ccls. 148 195 ink adj (chamber or channel or passage) with (funnel or taper\$3) 15 (ink adj (chamber or channel or passage) with (funnel or taper\$3)) and 347/65.ccls. 16 (ink adj (chamber or channel or passage) with (funnel or taper\$3)) and 347/65.ccls. 17 (ink adj (chamber or channel or passage) with (funnel or taper\$3)) and 347/65.ccls.	1		347/48.ccls.) and ((resistor or resisitue		
#Ith (circular or annular or doughnut or (dough adj nut) or ring)) with (circular or annular or doughnut or (dough adj nut) or ring)) virtual adj chamber 12 (virtual adj chamber) and 347/\$.ccls. 13 (virtual adj chamber) and 347/\$.ccls. 14 (virtual adj chamber) and 347/\$.ccls. 15 ink adj (chamber or channel or passage) with (funnel or taper\$3) 16 (ink adj (chamber or channel or passage) with (funnel or taper\$3)) and 347/65.ccls. 17 (ink adj (chamber or channel or passage) with (funnel or taper\$3)) and 347/65.ccls. 18 (2002/09/05 07:48) 2002/09/05 07:48 2002/09/05 07:48			or neater or heating or electrothermall		
426 25 (dough adj nut) or ring) virtual adj chamber USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JP			with (circular or annular or doughput or	PHYMEMI	
Virtual adj chamber USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; USP	100		(dough ad; nut) or ring))		
427 12 (virtual adj chamber) and 347/\$.ccls. (virtual adj chamber) and 347/\$.ccls. 12 (virtual adj chamber) and 347/\$.ccls. 13 ink adj (chamber or channel or passage) with (funnel or taper\$3) 10 (ink adj (chamber or channel or passage) with (funnel or taper\$3)) and 347/65.ccls. 2002/09/05 07:41 US-PGPUB; EPO; JPO; DERWENT US-PGPUB; EPO; JPO;	426	25	virtual adj chamber	IISPAT.	2002/00/05 07 00
12 (virtual adj chamber) and 347/\$.ccls. EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; With (funnel or taper\$3)) and 347/65.ccls. US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWE]		•	2002/09/05 07:32
427 12 (virtual adj chamber) and 347/\$.ccls. DERWENT USPAT; US-PGPUB; EPO; JPO; With (funnel or taper\$3)) and 347/65.ccls. US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO;					
428 195 ink adj (chamber or channel or passage) with (funnel or taper\$3) (ink adj (chamber or channel or passage) with (funnel or taper\$3) (ink adj (chamber or channel or passage) with (funnel or taper\$3)) and 347/65.ccls. USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO;	127	1			
428 195 ink adj (chamber or channel or passage) with (funnel or taper\$3) 10 (ink adj (chamber or channel or passage) with (funnel or taper\$3)) and 347/65.ccls. US-PGPUB; EPO; JPO; DERWENT US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO;	42/	12	(virtual adj chamber) and 347/\$.ccls.		2002/09/05 07-41
428 195 ink adj (chamber or channel or passage) with (funnel or taper\$3) (ink adj (chamber or channel or passage) with (funnel or taper\$3)) (ink adj (chamber or channel or passage) with (funnel or taper\$3)) and 347/65.ccls. EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO;	1		· · · · · ·		2002/03/05 07:41
ink adj (chamber or channel or passage) with (funnel or taper\$3) 10 (ink adj (chamber or channel or passage) with (funnel or taper\$3)) and 347/65.ccls. DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO;					
431 10 (ink adj (chamber or channel or passage) with (funnel or taper\$3) (ink adj (chamber or channel or passage) with (funnel or taper\$3)) and 347/65.ccls. USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO;	120		,		
431 10 (ink adj (chamber or channel or passage) with (funnel or taper\$3)) and 347/65.ccls. US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO;	420	195	ink adj (chamber or channel or passage)	1	2002/09/05 09:10
431 10 (ink adj (chamber or channel or passage) with (funnel or taper\$3)) and 347/65.ccls. EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO;			with (funnel or taper\$3)		2002/03/03 08:18
431 10 (ink adj (chamber or channel or passage) with (funnel or taper\$3)) and 347/65.ccls. DERWENT USPAT; US-PGPUB; EPO; JPO;					1
with (funnel or taper\$3)) and 347/65.ccls. USPAT; US-PGPUB; EPO; JPO;	131				ļ
with (funnel or taper\$3)) and 347/65.ccls. US-PGPUB; EPO; JPO;	#3T		(ink adj (chamber or channel or passage)		2002/09/05 07:49
EPO; JPO;			with (funnel or taper\$3)) and 347/65.ccls.		
DERWENT				DERWENT	

Page 2

429	120	(==== ona, (====================================	USPAT;	2002/09/05	08:13
		with (funnel or taper\$3)) and 347/\$.ccls.	US-PGPUB;	= 3 0 2 7 0 9	-0.10
			EPO; JPO;		
			DERWENT	.	
432	4.10	347/63.ccls.	USPAT;	2002/09/05	08 - 14
	,		US-PGPUB;	2002,03,03	00.14
			EPO; JPO;		
			DERWENT		
433	483	ink with (chamber or channel or passage or	USPAT;	2002/09/05	08 - 19
		slot) with (funnel or taper\$3)	US-PGPUB;	2002,03,03	00.17
			EPO; JPO;		
			DERWENT		
434	21	(ink with (chamber or channel or passage	USPAT;	2002/09/05	08.19
		or slot) with (funnel or taper\$3)) and	US-PGPUB;	2002/03/03	00.19
		347/65.ccls.	EPO; JPO;		
			DERWENT		
430	624	347/65.ccls.	USPAT;	2002/09/05	00.21
			US-PGPUB;	2002/03/03	00.21
],		EPO; JPO;		
			DERWENT		
439	0	insulation with layer with (si*)	USPAT	2002/09/05	00.14
440	5743	insulation with layer with (silicon or	USPAT	2002/09/05	
		"sio.sub.2")	OSTAT .	2002/09/03	05.10
441	180	(insulation with layer with (silicon or	USPAT	2002/.09/05	Na - 1 a
		"sio.sub.2")) and 347/\$.ccls.	001111	20027.03703	09.19
442	750626	thickness	USPAT	2002/09/05	09.19
443	1754	(insulation with layer with (silicon or	USPAT	2002/09/05	
		"sio.sub.2")) same thickness	002111	2002/03/03	05.15
444	64		USPAT	2002/09/05	09.19
		"sio.sub.2")) same thickness) and	001111	2002/03/03	05.15
		347/\$.ccls.			
445	11	monolithis	USPAT	2002/09/05	09.37
446	37619	monolithic	USPAT	2002/09/05	
447	509		USPAT	2002/09/05	
448	25	monolithic and 347/63.ccls.	USPAT	2002/09/05	
449	3	(vacrel or riston) with photoimag\$4	USPAT	2002/09/05	
_	242	347/48.ccls.	USPAT;	2002/09/04	
			EPO; JPO;	2002/03/04	13.30
	·		DERWENT		
_	254	347/48.ccls.	USPAT;	2002/09/05	06.51
			US-PGPUB;	2002/03/03	
			EPO; JPO;		
	i		DERWENT	1	

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